

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|-----------------|------------------|
| - | 1 | ("6245189").PN. | USPAT; US-PGPUB | 2004/06/16 12:18 |
| - | 11 | ("4208159" "4252595" "4318767" "4405435" "4637853" "4889609" "5044871" "5303671" "5573597" "5587205" "5958510").PN. | USPAT | 2003/12/19 12:29 |
| - | 1 | ("5766404").PN. | USPAT; US-PGPUB | 2003/12/19 13:34 |
| - | 220 | 156/345.31 | USPAT; US-PGPUB | 2003/12/19 13:34 |
| - | 287 | ((156/345.31) or (156/345.32)).CCLS. | USPAT; US-PGPUB | 2004/06/15 12:28 |
| - | 1 | ("4889609").PN. | USPAT; US-PGPUB | 2003/12/19 15:12 |
| - | 6 | 4889609.URPN. | USPAT | 2003/12/19 15:08 |
| - | 442 | ((414/152) or (414/153) or (414/157) or (414/172)).CCLS. | USPAT; US-PGPUB | 2003/12/19 15:19 |
| - | 954 | ((414/152) or (414/153) or (414/157) or (414/172)).CCLS.) ((414/939).CCLS.) | USPAT; US-PGPUB | 2003/12/19 15:20 |
| - | 513 | (414/939).CCLS. | USPAT; US-PGPUB | 2004/06/15 12:30 |
| - | 392 | 118/719.ccls. and (vertical\$3 with chamber) | USPAT; US-PGPUB | 2004/06/15 12:31 |
| - | 43 | 4886592.URPN. | USPAT | 2003/12/19 15:29 |
| - | 12 | ("4498832" "4500407" "4592306" "4643629" "4682927" "4701096" "4721427" "4722298" "4775281" "4886412" "4892451" "4917556").PN. | USPAT | 2003/12/19 15:33 |
| - | 64 | 4500407.URPN. | USPAT | 2003/12/19 15:34 |
| - | 4 | 5626677.URPN. | USPAT | 2003/12/19 16:05 |
| - | 4 | 5626677.URPN. | USPAT | 2003/12/19 16:05 |
| - | 17 | ("4318767" "4550242" "4575299" "4584045" "4705444" "4816116" "5079031" "5116640" "5259942" "5286296" "5288684" "5292393" "5302077" "5310410" "5314298" "5387265" "5515986").PN. | USPAT | 2003/12/19 16:07 |
| - | 73 | 4318767.URPN. | USPAT | 2003/12/19 16:08 |
| - | 11 | ("4149923" "4201579" "4252595" "4318767" "4412771" "4526643" "4563240" "4657620" "4693777" "4699689" "4715921").PN. | USPAT | 2003/12/19 16:09 |
| - | 33 | 4816638.URPN. | USPAT | 2003/12/19 16:10 |
| - | 12 | ("4816638" "4825808" "4917556" "5067218" "5186718" "5259881" "5433785" "5509771" "5516732" "5520002" "5620578" "5638687").PN. | USPAT | 2003/12/19 16:13 |
| - | 11 | ("4149923" "4201579" "4252595" "4318767" "4412771" "4526643" "4563240" "4657620" "4693777" "4699689" "4715921").PN. | USPAT | 2003/12/19 16:15 |
| - | 51 | 4208159.URPN. | USPAT | 2003/12/19 17:07 |
| - | 5 | 4418639.URPN. | USPAT | 2003/12/19 17:09 |
| - | 3 | ("4190015" "4208159" "4315705").PN. | USPAT | 2003/12/19 17:10 |
| - | 1827 | ((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS. | USPAT; US-PGPUB | 2003/12/19 17:14 |
| - | 9 | ((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.) and sasaki.in. | USPAT; US-PGPUB | 2003/12/19 17:15 |
| - | 0 | 118/718.ccls and sasaki.in. | USPAT; US-PGPUB | 2003/12/19 17:15 |
| - | 2 | 118/718.ccls. and sasaki.in. | USPAT; US-PGPUB | 2003/12/19 17:15 |
| - | 8 | ("4423701" "4483883" "4513684" "4574733" "5000114" "5180434" "5192585" "5266116").PN. | USPAT | 2003/12/19 17:16 |
| - | 5 | 5364481.URPN. | USPAT | 2003/12/19 17:16 |
| - | 8 | ("4423701" "4483883" "4513684" "4574733" "5000114" "5180434" "5192585" "5266116").PN. | USPAT | 2003/12/19 17:21 |
| - | 5 | 5364481.URPN. | USPAT | 2003/12/19 17:21 |
| - | 53 | 4824309.URPN. | USPAT | 2003/12/19 17:39 |

| | | | | |
|--|-------|---|----------------------|------------------|
| | 6 | ("3902615" "4278380" "4405435" "4483651" "4553069" "4619573").PN. 5112277.URPN. | USPAT | 2003/12/19 17:42 |
| | 12 | ("4278380" "4724874" "4851018").PN. ("5820329" "6000905" "6048154" "6059507" "6152669").PN. | USPAT | 2003/12/19 17:45 |
| | 3 | | USPAT | 2003/12/19 17:46 |
| | 5 | | USPAT | 2003/12/19 18:01 |
| | 1 | ("4981408").PN. | USPAT; US-PGPUB | 2003/12/21 14:25 |
| | 16 | 4981408.URPN. | USPAT | 2003/12/21 14:25 |
| | 12 | ("4498832" "4500407" "4592306" "4643629" "4682927" "4701096" "4721427" "4722298" "4775281" "4886412" "4892451" "4917556").PN. | USPAT | 2003/12/21 14:34 |
| | 11 | ("4208159" "4252595" "4318767" "4405435" "4637853" "4889609" "5044871" "5303671" "5573597" "5587205" "5958510").PN. | USPAT | 2003/12/21 14:41 |
| | 51 | 4208159.URPN. | USPAT | 2003/12/21 14:43 |
| | 90806 | 414/\$.ccls. (chamber near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) | USPAT; | 2003/12/21 15:03 |
| | 510 | 414/\$.ccls. and (chamber near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) | USPAT; | 2003/12/22 15:17 |
| | 323 | 414/\$.ccls. and (chamber near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) and (guide rail track) | USPAT; | 2004/06/14 16:00 |
| | 5 | c23c016\$.ipc. and (chamber near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) and (guide rail track) | EPO; JPO; DERWENT | 2003/12/21 15:04 |
| | 1341 | 118/719.ccls. | USPAT; | 2003/12/21 18:23 |
| | 287 | ((156/345.31) or (156/345.32)).CCLS. | USPAT; | 2003/12/21 15:05 |
| | 0 | ("15not16").PN. | USPAT; | 2003/12/21 15:05 |
| | 1185 | 118/719.ccls. not (((156/345.31) or (156/345.32)).CCLS.) | USPAT; | 2003/12/21 15:05 |
| | 640 | 414/\$.ccls. and ((chamber cover lid) near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) and (guide rail track) | USPAT; | 2003/12/21 15:52 |
| | 83 | 118/719.ccls. and ((chamber cover lid) near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) and (guide rail track) | USPAT; | 2003/12/21 15:07 |
| | 0 | 6245189.URPN. | USPAT | 2003/12/21 15:15 |
| | 43 | 4886592.URPN. | USPAT | 2003/12/21 15:25 |
| | 2 | ("4733631" "4808291").PN. | USPAT | 2003/12/21 15:29 |
| | 24 | 4733631.URPN. | USPAT | 2003/12/21 15:30 |
| | 19 | ("4715921" "4733631" "4830700" "4832778" "4906328" "4915777" "5019233" "5076205" "5169478" "5205919" "5281295" "5281320" "5288379" "5292393" "5302209" "5308431" "5330633" "5364219" "5376223").PN. | USPAT | 2003/12/21 15:32 |
| | 14 | 5667592.URPN. | USPAT | 2003/12/21 15:41 |
| | 36 | 5058526.URPN. | USPAT | 2003/12/21 15:47 |
| | 4 | ("4542712" "4640223" "4666734" "4770590").PN. | USPAT | 2003/12/21 15:48 |
| | 18 | 414/\$.ccls. and (((chamber cover lid) near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) with seal\$3) and ((guide rail track) with (substrate wafer semiconductor device)) | USPAT; | 2003/12/21 16:09 |
| | 64 | 414/\$.ccls. and (((chamber cover lid) near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) with seal\$3) and (guide rail track) | USPAT; | 2003/12/21 15:59 |
| | 46 | (414/\$.ccls. and (((chamber cover lid) near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) with seal\$3) and (guide rail track)) not (414/\$.ccls. and (((chamber cover lid) near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) with seal\$3) and ((guide rail track) with (substrate wafer semiconductor device))) | USPAT; | 2003/12/21 15:59 |
| | 22 | 4355937.URPN. | USPAT | 2003/12/21 16:00 |

| | | | | |
|---|-------|---|-----------------|------------------|
| - | 2 | ("3954191" "3968885").PN. | USPAT | 2003/12/21 16:01 |
| - | 60 | 3968885.URPN. | USPAT | 2003/12/21 16:02 |
| - | 7 | (414/\$.ccls. 118/719.cccls.) and ((chamber cover lid) nearl (mov\$5 with vertical\$3)) | USPAT; | 2003/12/21 16:11 |
| - | 96126 | (414/\$.ccls. 118/718.cccls.) (vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) | US-PGPUB | 2003/12/21 16:30 |
| - | 1237 | (414/\$.ccls. 118/718.cccls.) and (vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) | USPAT; US-PGPUB | 2003/12/21 16:32 |
| - | 570 | (414/\$.ccls. 118/718.cccls. 204/298.25.cccls.) and (vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) and ((rail guide track) with (transfer\$4 translat\$3 mov\$3)) | USPAT; US-PGPUB | 2003/12/21 16:34 |
| - | 891 | (414/\$.ccls. 118/718.cccls. 204/298.25.cccls.) and (vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) and (rail guide track) | USPAT; US-PGPUB | 2003/12/21 16:37 |
| - | 429 | (414/\$.ccls. 118/718.cccls. 204/298.25.cccls.) and (vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) and ((insert\$3 enter\$3 introduce) and (wafer substrate semiconductor)) | USPAT; US-PGPUB | 2003/12/21 16:40 |
| - | 1 | ("5766404").PN. | USPAT; US-PGPUB | 2003/12/21 16:48 |
| - | 69 | (414/\$.ccls. 118/718.cccls. 204/298.25.cccls.) and ((vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) same ((insert\$3 enter\$3 introduce) and (wafer substrate semiconductor))) | USPAT; US-PGPUB | 2003/12/21 18:04 |
| - | 1 | ("5773088").PN. | USPAT; US-PGPUB | 2003/12/21 17:14 |
| - | 17 | ("3114652" "3572286" "3915117" "4301765" "4508049" "4582720" "4592306" "4593644" "4664062" "4666734" "4692233" "4763601" "4946576" "5076205" "5310410" "5472506" "5512320").PN. | USPAT | 2003/12/21 17:14 |
| - | 2 | 5773088.URPN. | USPAT | 2003/12/21 17:19 |
| - | 36 | 4226208.URPN. | USPAT | 2003/12/21 17:53 |
| - | 17 | 4797054.URPN. | USPAT | 2003/12/21 17:55 |
| - | 8 | ("3641973" "3656454" "3874525" "3915117" "4226208" "4508055" "4553069" "4632624").PN. | USPAT | 2003/12/21 17:56 |
| - | 263 | (414/217.cccls.) and ((mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) near (chamber lid cover)) | USPAT; US-PGPUB | 2003/12/21 18:05 |
| - | 3243 | ((414/217.cccls.) and ((mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) near (chamber lid cover))) npt ((414/\$.cccls. 118/718.cccls. 204/298.25.cccls.) and ((vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) same ((insert\$3 enter\$3 introduce) and (wafer substrate semiconductor)))) | USPAT; US-PGPUB | 2003/12/21 18:06 |
| - | 246 | ((414/217.cccls.) and ((mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) near (chamber lid cover))) not ((414/\$.cccls. 118/718.cccls. 204/298.25.cccls.) and ((vertical\$3 with (mov\$5 rais\$3 lower\$3 lift\$3 hoist\$3 elevat\$3) with (chamber lid cover)) same ((insert\$3 enter\$3 introduce) and (wafer substrate semiconductor)))) | USPAT; US-PGPUB | 2003/12/21 18:06 |
| - | 6 | 4524719.URPN. | USPAT | 2003/12/21 18:11 |

| | | | | |
|---|-------|---|----------------------|------------------|
| - | 6 | 4524719.URPN. ("3293074" "3704987" "3749383" "3951271").PN. | USPAT | 2003/12/21 18:12 |
| - | 4 | | USPAT | 2003/12/21 18:12 |
| - | 1 | 118/719.cccls. and "smema" | USPAT; US-PGPUB | 2003/12/21 18:23 |
| - | 42 | "smema" | USPAT; US-PGPUB | 2003/12/21 18:28 |
| - | 45 | rigali-louis-a.in. hoffman-david-e.in. wang-keda.in. smith-william.in. | USPAT; US-PGPUB | 2003/12/21 18:29 |
| - | 45 | 118/719.cccls. and (input with (carrier cassette)) | USPAT; US-PGPUB | 2003/12/22 15:11 |
| - | 12 | 118/719.cccls. and (input with (carrier)) | USPAT; US-PGPUB | 2003/12/22 15:10 |
| - | 33 | (118/719.cccls. and (input with (carrier cassette))) not (118/719.cccls. and (input with (carrier))) | USPAT; US-PGPUB | 2003/12/22 15:10 |
| - | 1 | 118/719.cccls. and (input adj (cassette)) | USPAT; US-PGPUB | 2003/12/22 15:11 |
| - | 1827 | ((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS. | USPAT; US-PGPUB | 2003/12/22 15:13 |
| - | 17 | ((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.) and (input adj (carrier cassette)) | USPAT; US-PGPUB | 2003/12/22 15:13 |
| - | 129 | c23c016\$.ipc. and (chamber near1 (rais\$3 lower\$3 lift\$3 elevat\$3)) | EPO; JPO; DERWENT | 2003/12/22 15:18 |
| - | 13975 | method with "liquid crystal" with (screen display) | USPAT; | 2003/12/22 18:52 |
| - | 3300 | method with "liquid crystal" with (screen display) with manufacturing (428/901).CCLS. | USPAT; US-PGPUB | 2003/12/22 18:53 |
| - | 1993 | | USPAT; US-PGPUB | 2003/12/22 19:07 |
| - | 37 | 4336438.URPN. | USPAT | 2004/06/14 15:28 |
| - | 7 | ("3213997" "3623719" "3812947" "4149923" "4151034" "4208159" "4263088").PN. | USPAT | 2004/06/14 15:33 |
| - | 53 | 4208159.URPN. | USPAT | 2004/06/14 15:35 |
| - | 8 | ("4423701" "4483883" "4513684" "4574733" "5000114" "5180434" "5192585" "5266116").PN. | USPAT | 2004/06/14 15:46 |
| - | 5 | 5364481.URPN. | USPAT | 2004/06/14 15:47 |
| - | 2 | 5773088.URPN. | USPAT | 2004/06/14 15:49 |
| - | 17 | ("3114652" "3572286" "3915117" "4301765" "4508049" "4582720" "4592306" "4593644" "4664062" "4666734" "4692233" "4763601" "4946576" "5076205" "5310410" "5472506" "5512320").PN. | USPAT | 2004/06/14 15:50 |
| - | 196 | 414/\$.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:02 |
| - | 13 | 414/\$.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:04 |
| - | 618 | (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | USPAT; US-PGPUB | 2004/06/15 12:30 |
| - | 73 | (substrate wafer workpiece semiconductor) and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:11 |
| - | 8 | (substrate wafer workpiece semiconductor) and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | EPO; JPO; DERWENT | 2004/06/14 16:11 |
| - | 2 | 118/718.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:18 |
| - | 8 | 118/719.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:21 |

| | | | | |
|---|------|--|-----------------|------------------|
| | 3 | (204/298.25-298.29.cccls. 204/298.35.cccls.) and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3 with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:17 |
| - | 10 | 118/718.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with (guide rail track)) | USPAT; US-PGPUB | 2004/06/14 16:18 |
| - | 21 | 118/718.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3) | USPAT; US-PGPUB | 2004/06/14 16:21 |
| - | 24 | ("2391970" "3223498" "3541293" "3658585" "3868106" "4040372" "4588660" "4591374" "4920917" "5028250" "5248349" "5368648" "5372646" "5413671" "5470397" "5536333" "5589007" "5614249" "5772715" "5921559" "5938851" "5945163" "6037241" "6236021" "2001/0017294").PN. | USPAT | 2004/06/14 16:23 |
| - | 159 | 118/719.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3) | USPAT; US-PGPUB | 2004/06/15 12:30 |
| - | 12 | 4607593.URPN. | USPAT | 2004/06/14 16:30 |
| - | 12 | 4607593.URPN. | USPAT | 2004/06/14 16:31 |
| - | 2 | ("4338883" "4501766").PN. | USPAT | 2004/06/14 16:31 |
| - | 1217 | 118/719.cccls. not (156/345.31.cccls. 156/345.32.cccls.) | USPAT; US-PGPUB | 2004/06/15 12:30 |
| - | 160 | 118/719.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3) | USPAT; US-PGPUB | 2004/06/15 12:31 |
| - | 402 | 118/719.cccls. and (vertical\$3 with chamber) | USPAT; US-PGPUB | 2004/06/15 12:32 |
| - | 549 | (414/939).CCLS. | USPAT; US-PGPUB | 2004/06/15 13:03 |
| - | 762 | (118/719.cccls. not (156/345.31.cccls. 156/345.32.cccls.)) not ((118/719.cccls. and (chamber with (rais\$3 lower\$3 lift\$3 elevat\$3) with seal\$3)) (118/719.cccls. and (vertical\$3 with chamber)) ((414/939).CCLS.)) | USPAT; US-PGPUB | 2004/06/15 13:06 |
| - | 5 | ("3854443" "4870923" "5088444" "5091217" "5139459").PN. | USPAT | 2004/06/15 13:40 |
| - | 18 | 5088444.URPN. | USPAT | 2004/06/15 13:41 |
| - | 12 | ("3246627" "4468283" "4495889" "4596208" "4683143" "4945856" "4957781" "5002011" "5088444" "5091207" "5151133" "5350453").PN. | USPAT | 2004/06/15 13:41 |
| - | 27 | 5534068.URPN. | USPAT | 2004/06/15 13:42 |
| - | 3 | ("4268538" "4709655" "4883020").PN. | USPAT | 2004/06/15 13:46 |
| - | 15 | 5232508.URPN. | USPAT | 2004/06/15 13:46 |
| - | 5 | ("3854443" "4870923" "5088444" "5091217" "5139459").PN. | USPAT | 2004/06/15 13:46 |